

# UCRChatline - iOS Mobile Application

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Professor Iulian Neamtiu, Instructor

Aiping Shi, T.A

Team Members:

Gustavo Blanco

Hector Dominguez

Fernando Gonzalez

Sergio Morales

## **1 INTRODUCTION**

UCRChatline is a social-media mobile app that is designed to work off of hassle-free application programming interfaces, allowing us to shift the overhead of back-end support to front-end, delivering an easy to use interface and great platform for social media on the go. What makes UCRChatline even better is the fact that we deliver a social media network on one of the most popular platforms in mobile development.

### **1.1 PROJECT OVERVIEW**

In this project, we introduce a social networking/communication mobile application. With this app, users can add other users as friends and then chat with each other as well as post text, image, video, link like a microblog. It also supports group chat and video calling. There is a timeline page for users to see what their friends have posted and write comment or like. They are also able to hide specific posts from specific groups of friends.

UCRChatline allows users to create their own accounts and log in, prompted when first opening the app. Users may have their own profile tab to display details, in addition to have the privacy of displaying it to their friends or not. Friends are added through basic friend requests after being approved or not. Just like all social networking apps, users may chat to each other using text, images, emojis, stickers, and even voice messaging. Finally, users may display statuses and posts to all friends, as a timeline.

Best of all, UCRChatline is a free, adware/spyware safe, and secure way of communication between friends, family, and other networks on Apple products.

### **2.3 STATUS**

Currently, we have the following functionality:

Messaging: Able to create a message to anyone in your friend's list. Is is able to send Emojis and text and have a conversation with a single user or multiple user. Also, we can do video calling to a single.

Timeline: Users are able to view all moments posted by them and their friends. User can post moments in this page. A moment can include text, images, emoji, video, link. Users can like moments and write comment to moments. When users post a moment, They can make it visible to specific users(must be friends with) or groups of friends.

Profile: Users may edit several information about them such as name, password, and picture. Pictures can be uploaded using the phone's camera, and is stored in the database afterwards.

Friends: At this time, the user is only able to view current friends as a TableView, but may not add any friends by requesting them through the button at this time.

Data: All data stored and queried may easily be reachable using the Parse core API. This all accessible through one main account for the team.

### 3 DESIGN

The UCRChatline was designed in a way that allows the user to navigate through functionalities in a user-friendly manner. There are a few fundamental aspects of our application that makes this happen, separation of tabs, design, and interface.

#### Sign up Process

Users are able to sign up and create an account in UCRChatline by opening up the app without being logged in. If this is the first time using the app, the user will automatically have the option of signing up. The

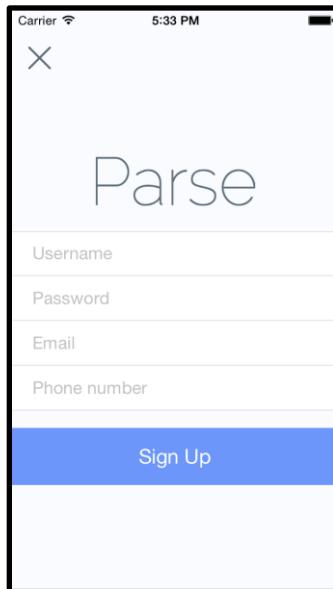


Figure 2. This image shows the required fields in order to create an account.

## Login

In the case that the user already has an account, they may simply sign in using the credentials that they entered when they created the account before. Other features, such as password recovery and authentication are illustrated in the next figures:

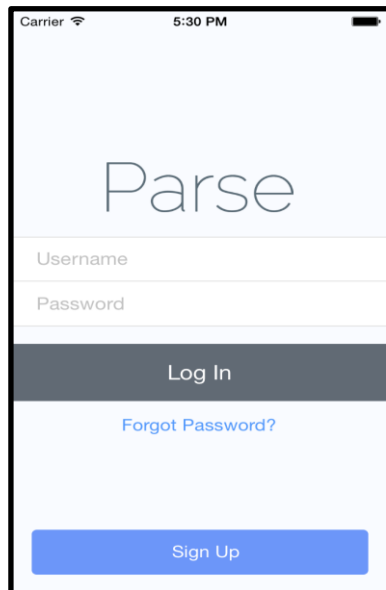


Figure 2. The login view for users who already have an account.

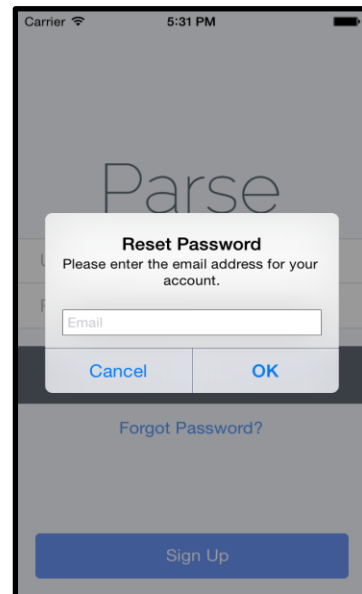


Figure 3. This image shows how to recover their password, which will be emailed to the user.

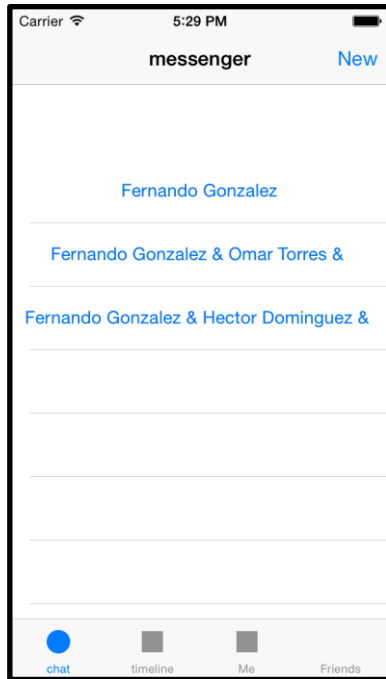
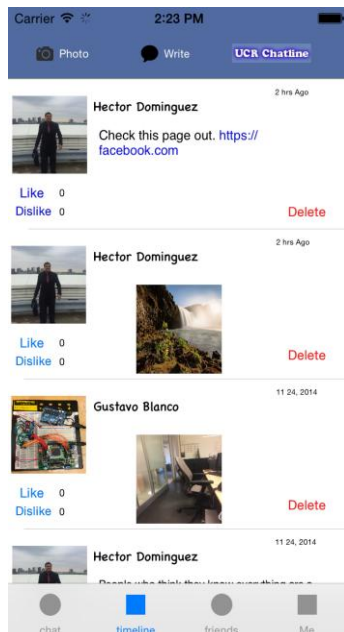


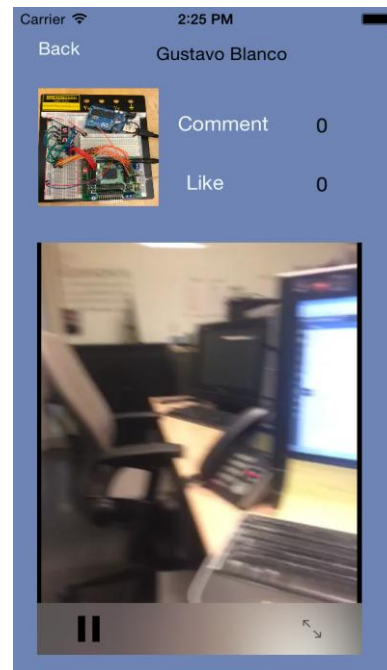
Figure 4: This image shows the message chat viewer, and all the users current conversation.



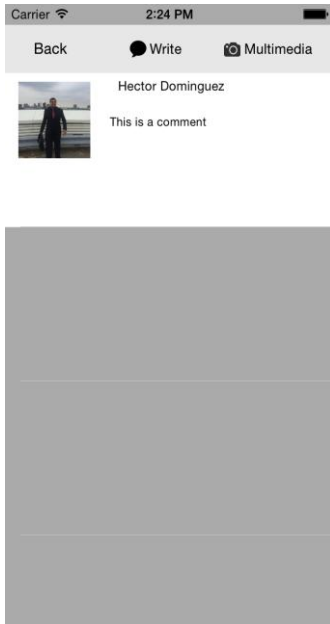
Figure 5: This image shows an example conversation and it's corresponding view for it.



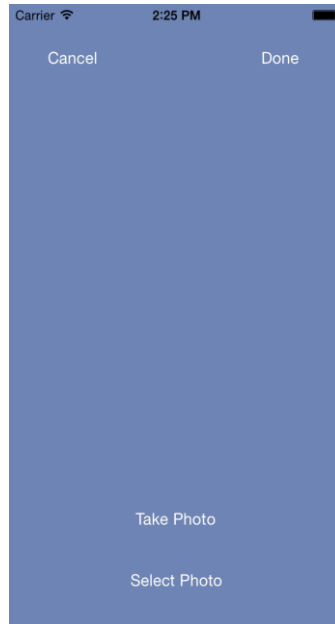
This is the Timeline view of the application. Here the user can post a text , Video, Photo, Link, or emoji moment.



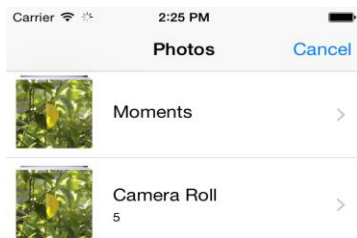
Ability to view Individual Posts



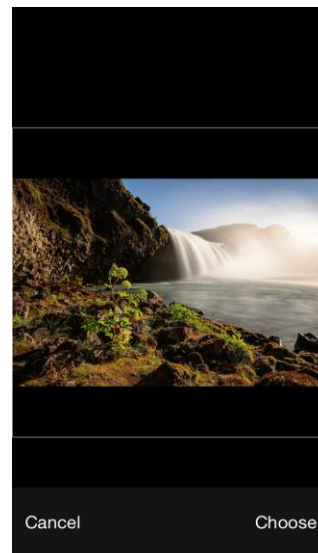
View of Comments



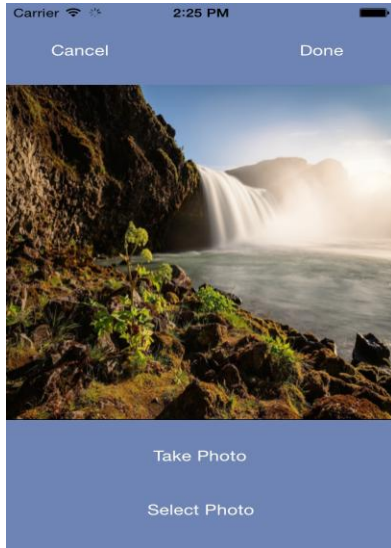
Uploading multimedia post



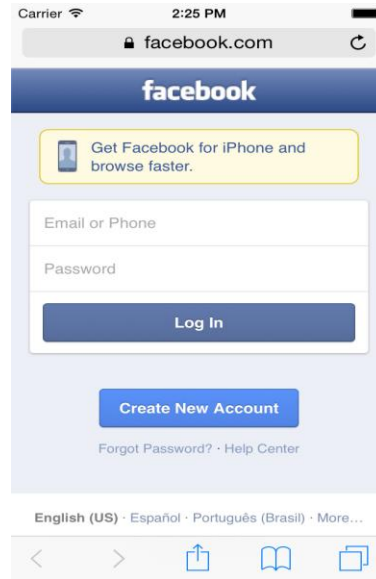
Selecting Saved picture for Post



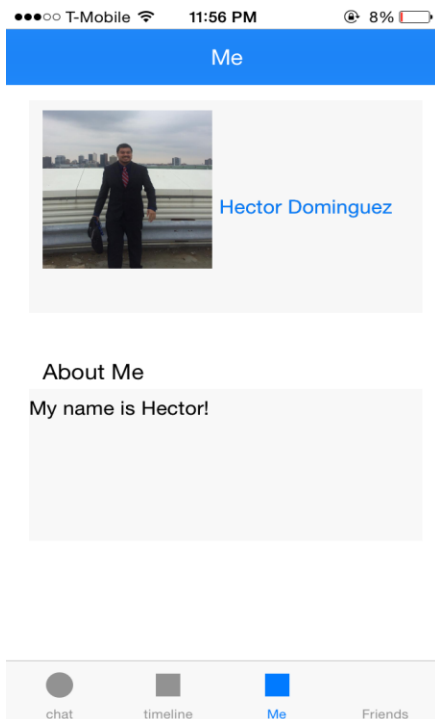
Selected Picture to be Posted



Here the image has been selected and resized and is ready to be posted



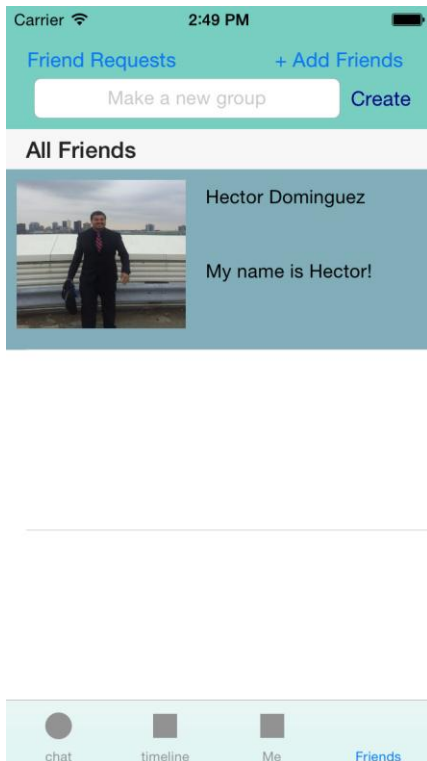
Shows that URL's are actually linking from Timeline to the desired website.



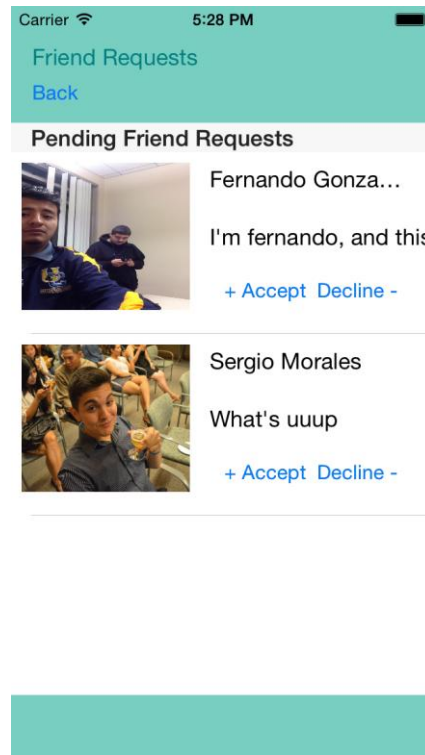
Users are able to edit their pictures, about me description, and name by selecting the 'Me' tab in the bottom bar. This will determine what information is available to the user.

## Friends

In UCRChatline, users may add friends, delete them, and assign them to groups. Posts and messages in the app are only viewable by friends, so the user must have friends before being able to use the app's main features.



Clicking on the Friends tab displays a list of friends that the user has added. Groups are displayed after clicking on create groups button. They may assign a friend to the group after clicking on the friend cell and using the Picker view to move them to the group.



Clicking on Add Friends button displays a list of available friends to add. After sending a friend request, the friend will receive a request, as pictured.